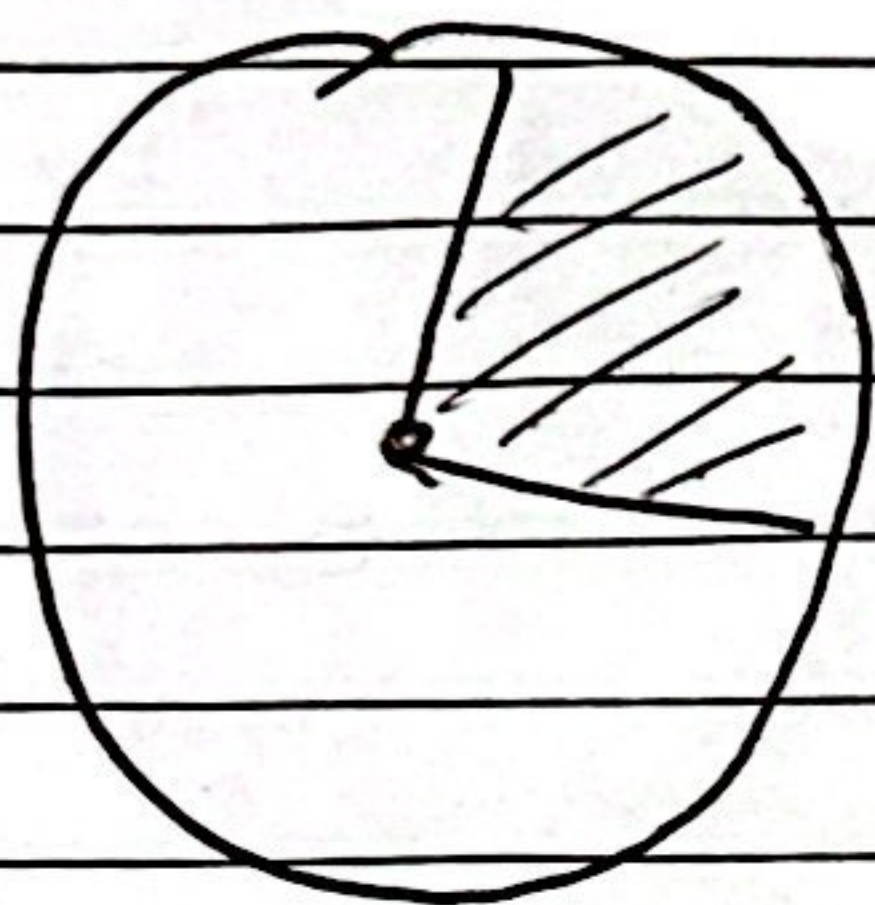
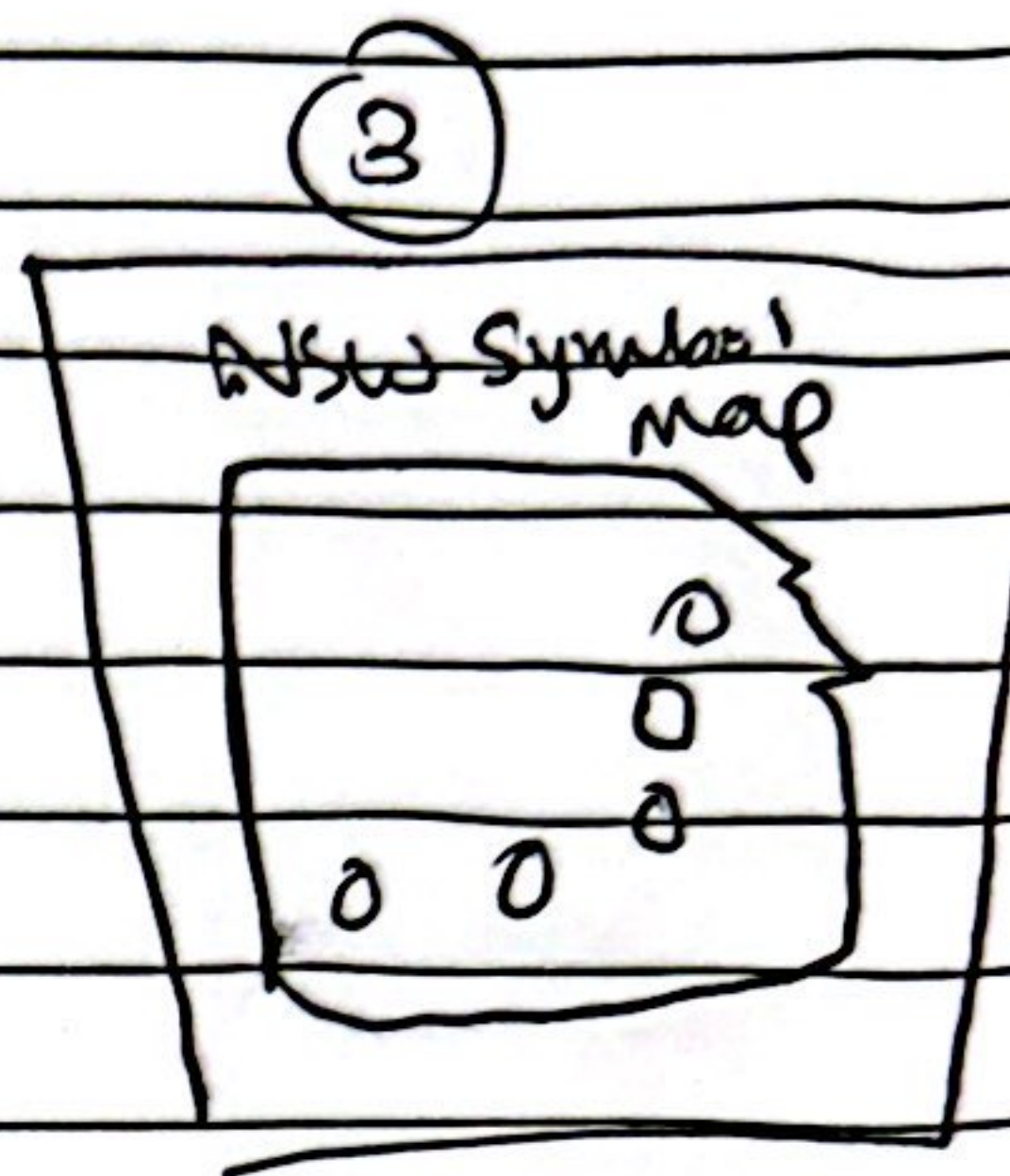
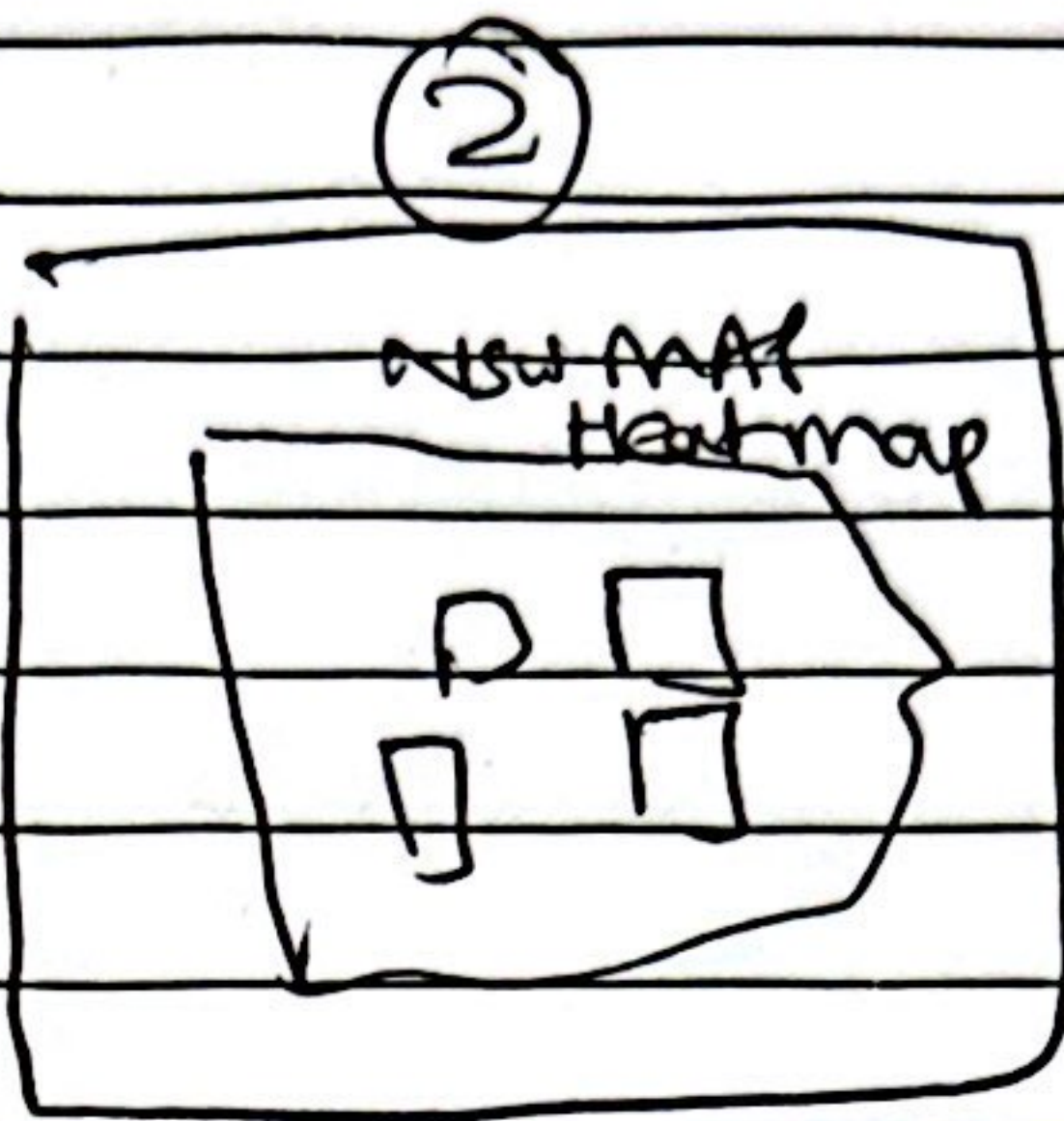
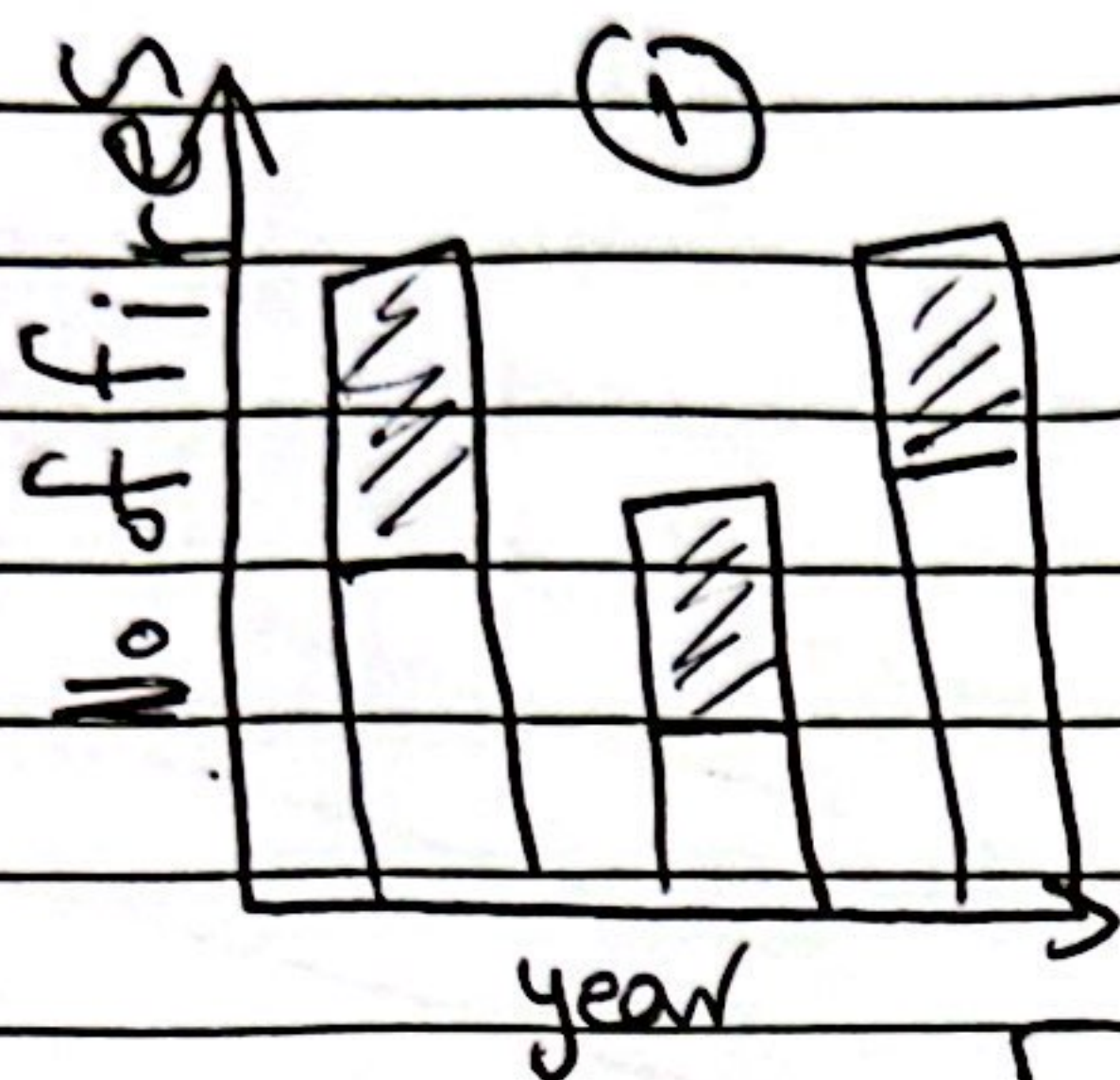


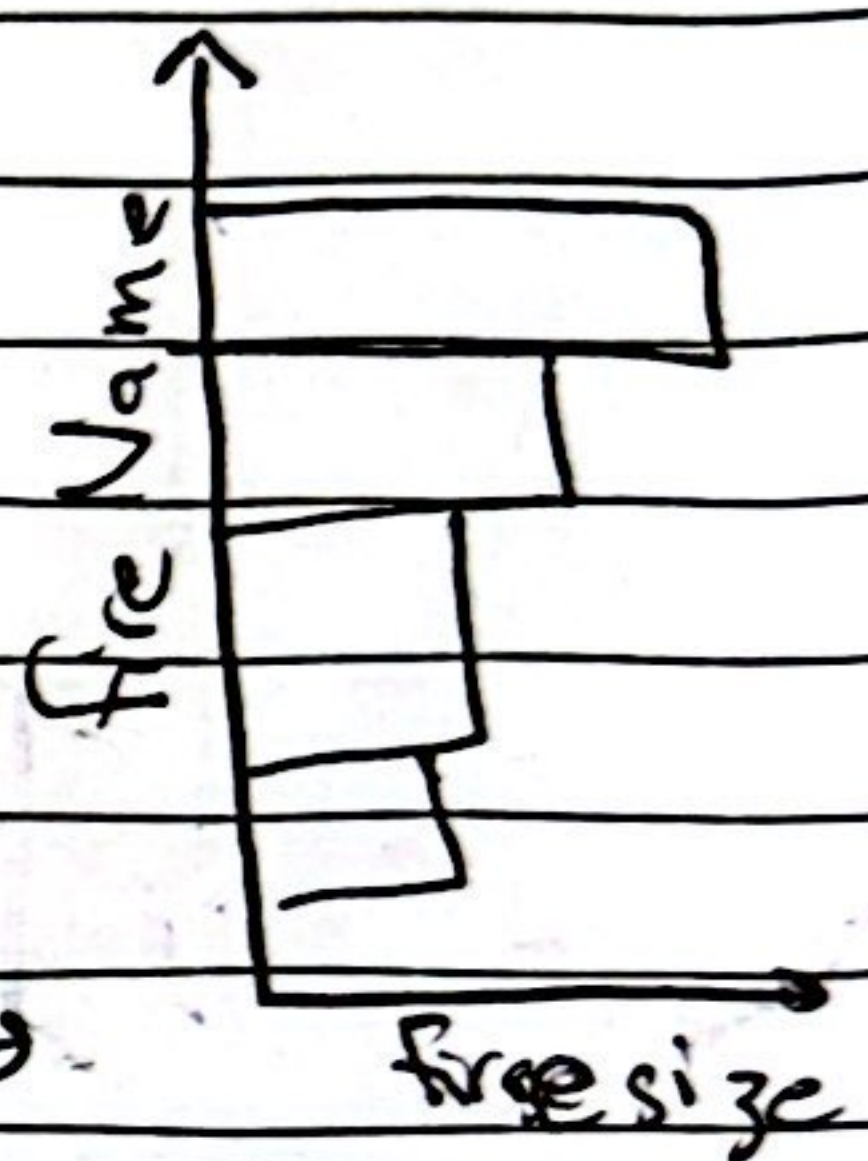
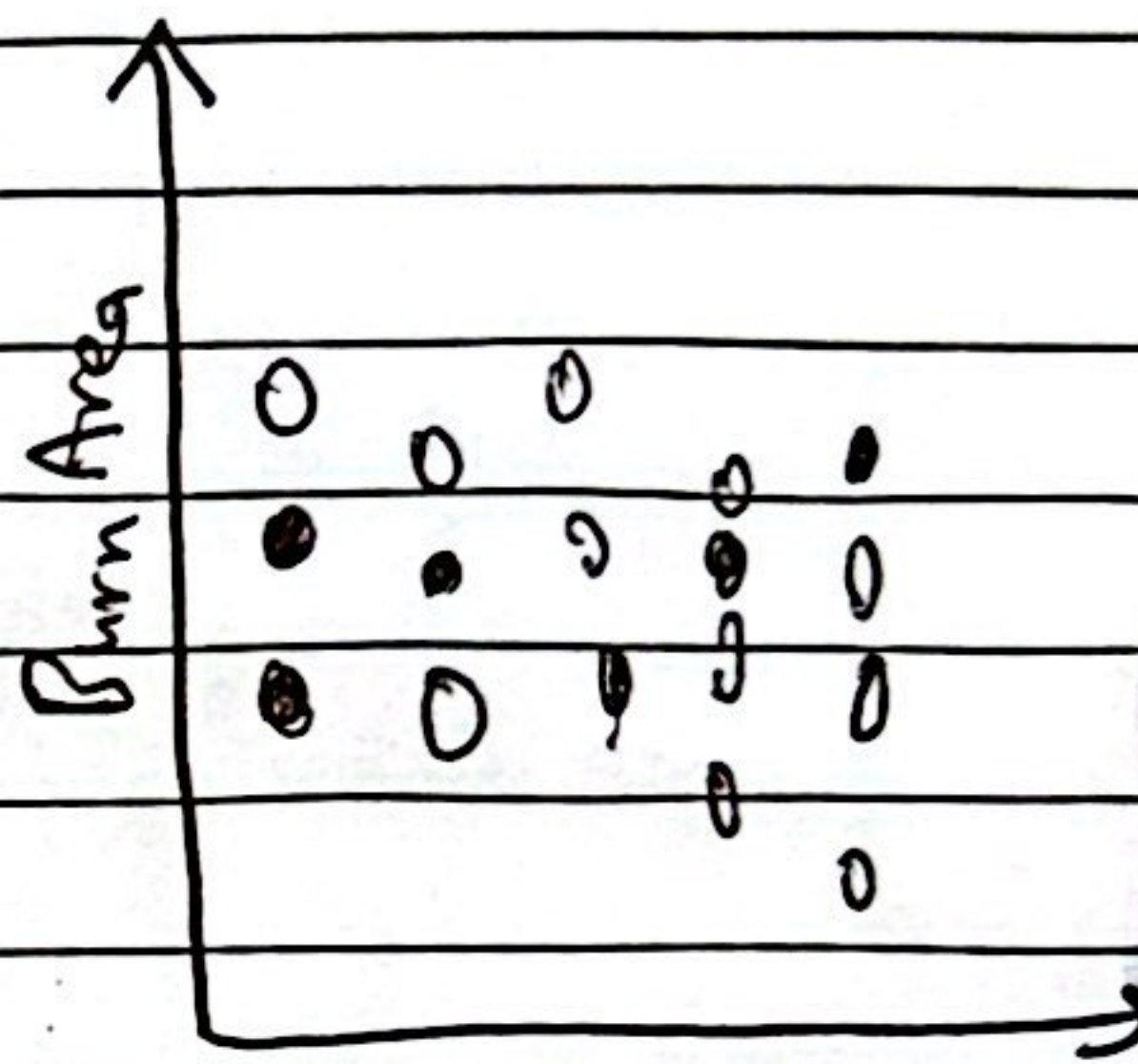
Dated:

SHEET 1.

Ideas:



Wildfire
Prescribed burn



Filtering idea.

Keeping

①, ③, ⑤, ⑥

Categorize

Group 1

①, ③, ●

Why - The goal is to help policy makers understand ~~wildfires~~ wildfire and prescribed burns trend in NSW from 2000-2020.

Questions:- ~~high risk areas?~~

- What are high risk areas?

- Fire activity trend?

- largest fire incidents?

Removing.

②, ④

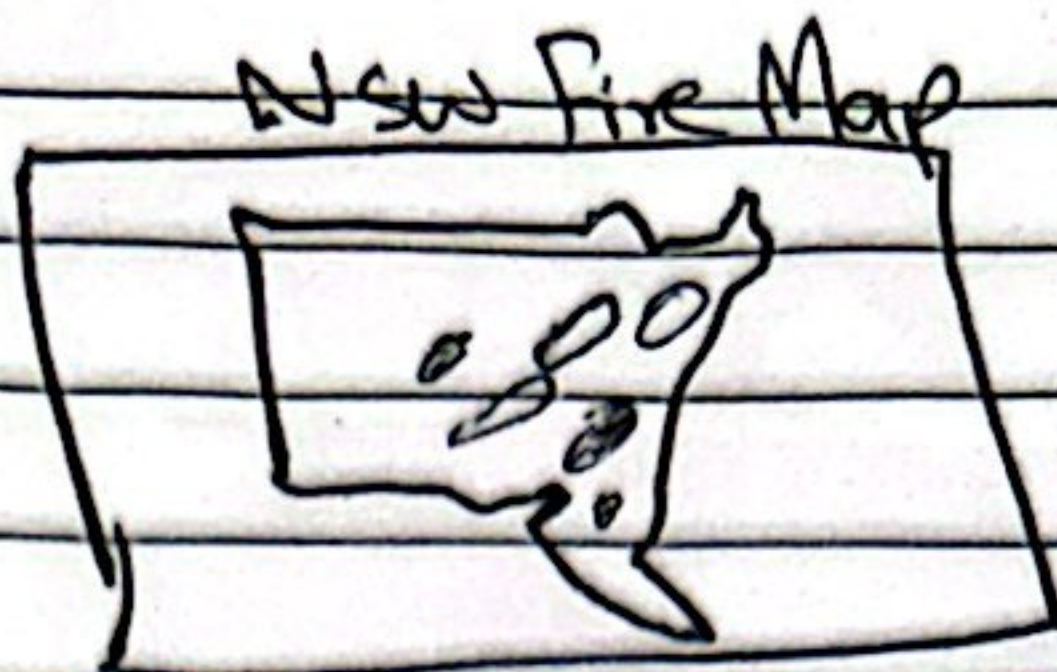
Group 2

⑤

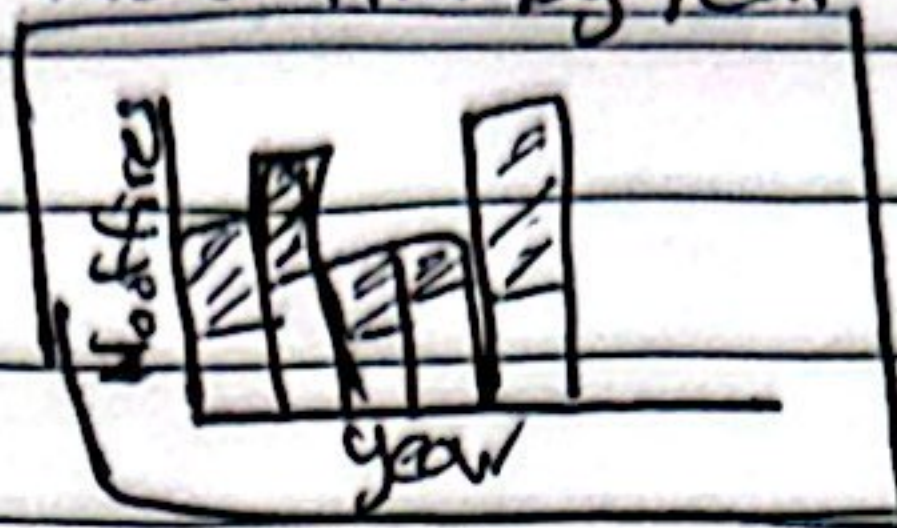
Group 3

⑥

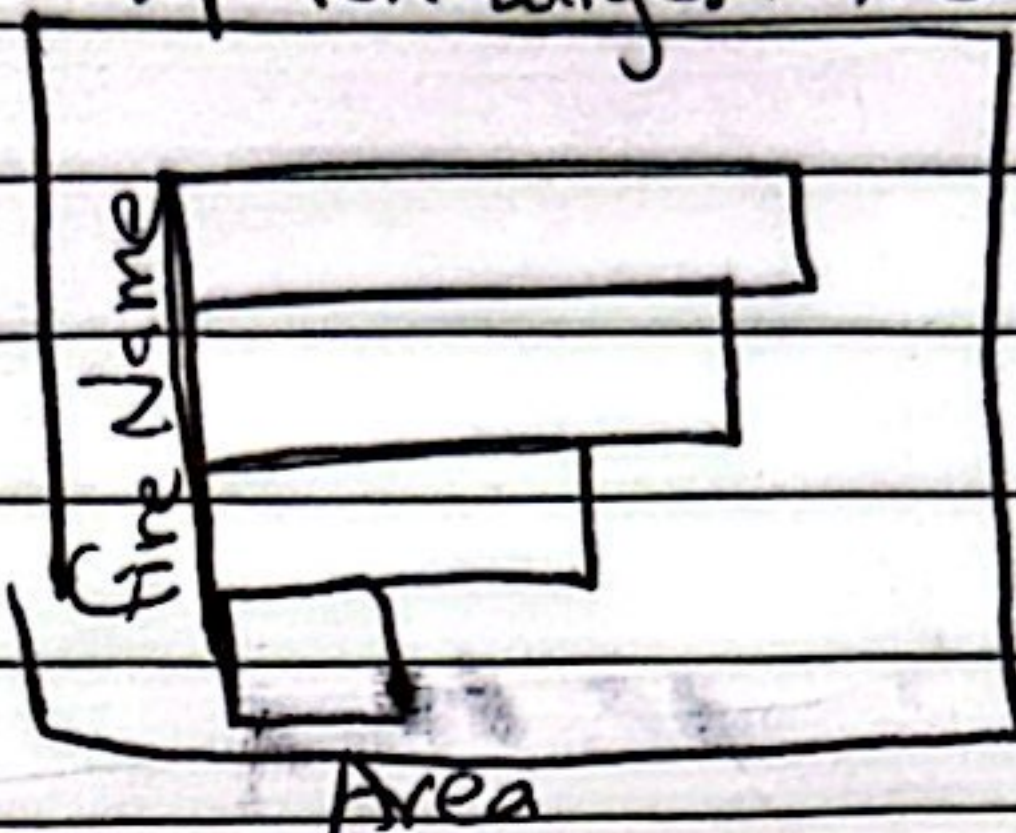
Layout



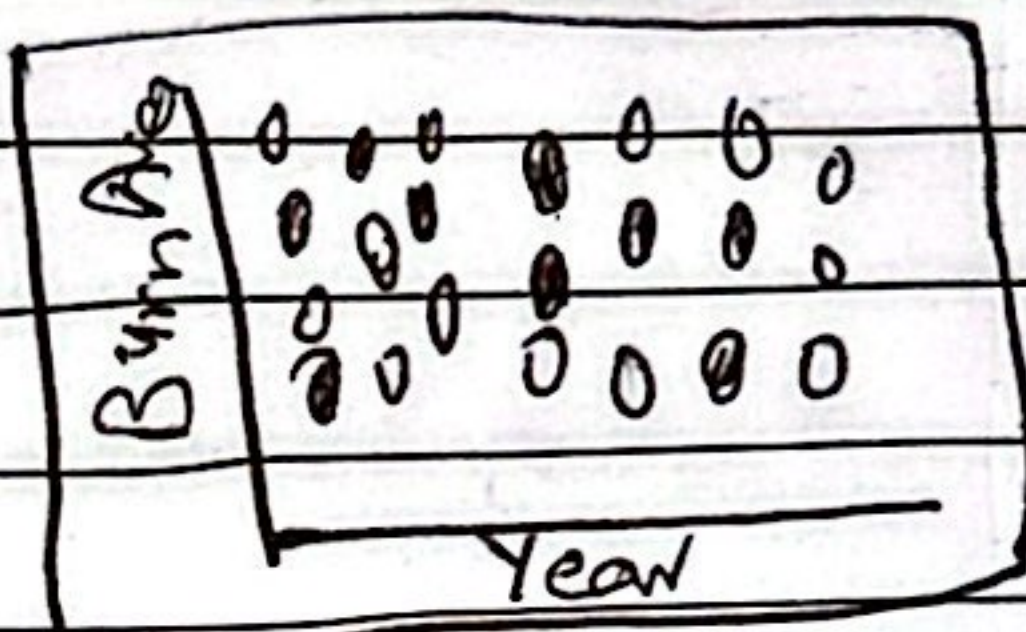
No of fires by Year



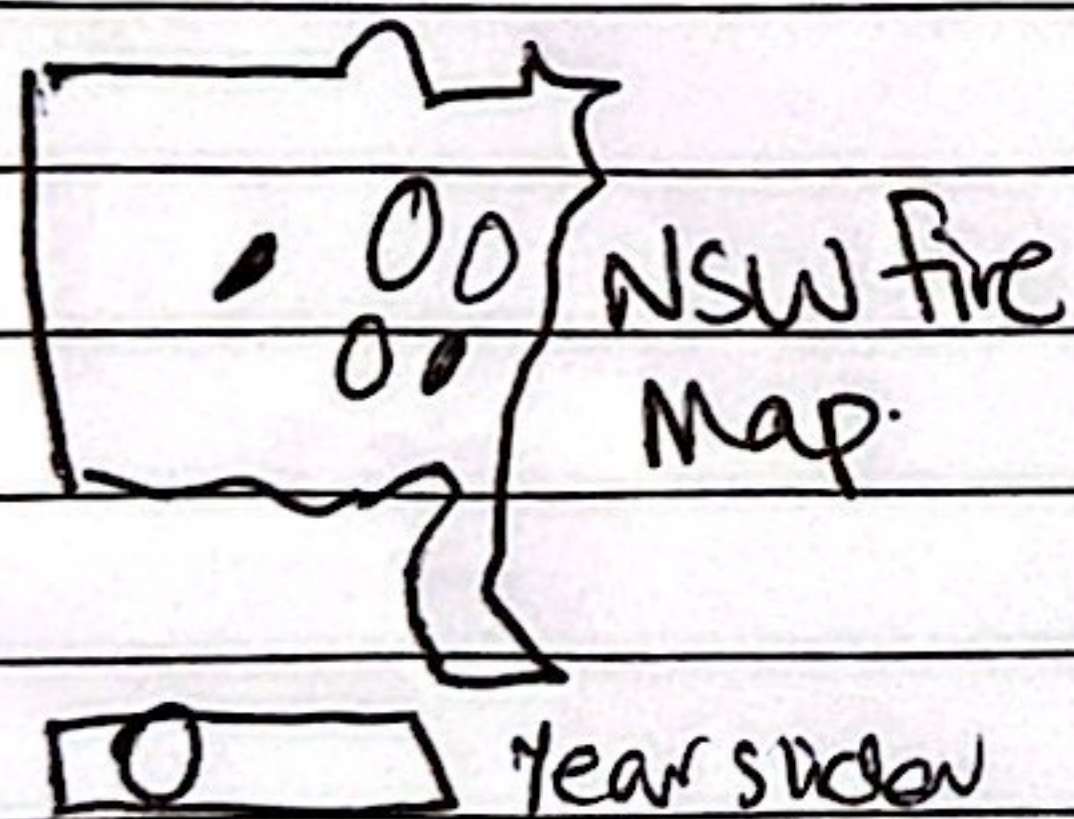
Top Ten Largest fires.



Scatter Plot burn Area Vs Year



Focus



Operations:-

- move slider to see by each year.
- ~~popup~~ Use tooltip for more info.

Pros

gives over all idea
of which area had most fire.

Cons:- Doesn't give a reason of fire.

Title :- NSW Fire Map.

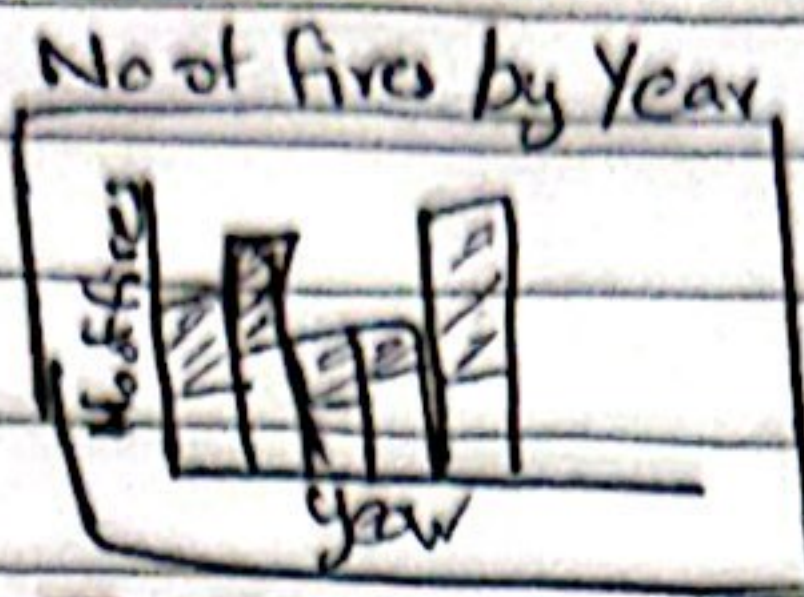
Author :- Areeb

Date :- 20 Oct 2024

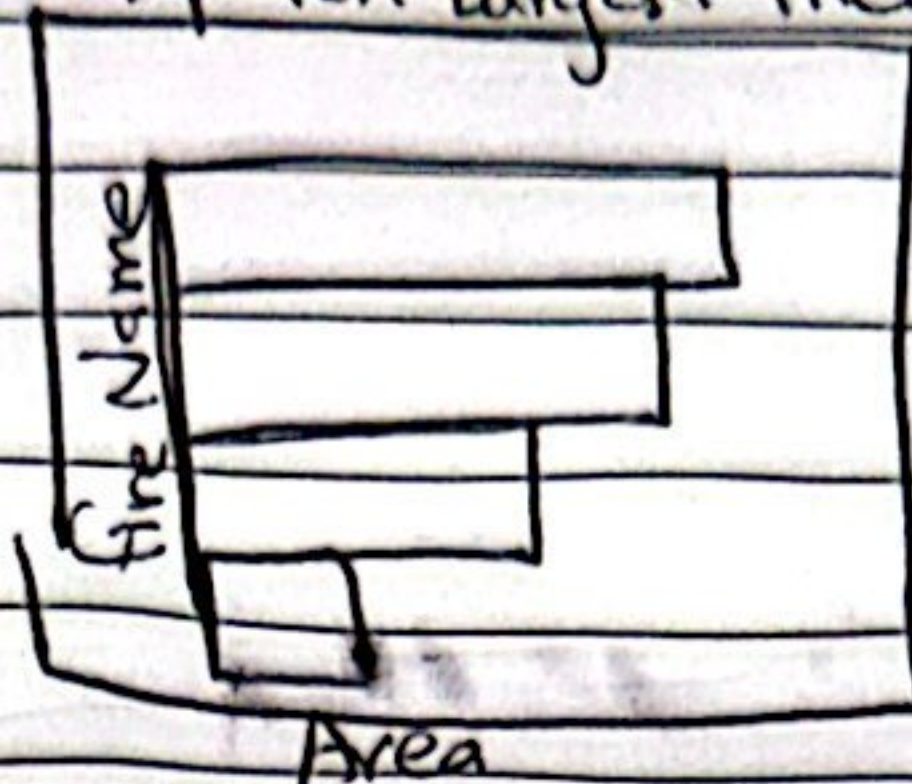
Sheet No :- 2.

Dated:

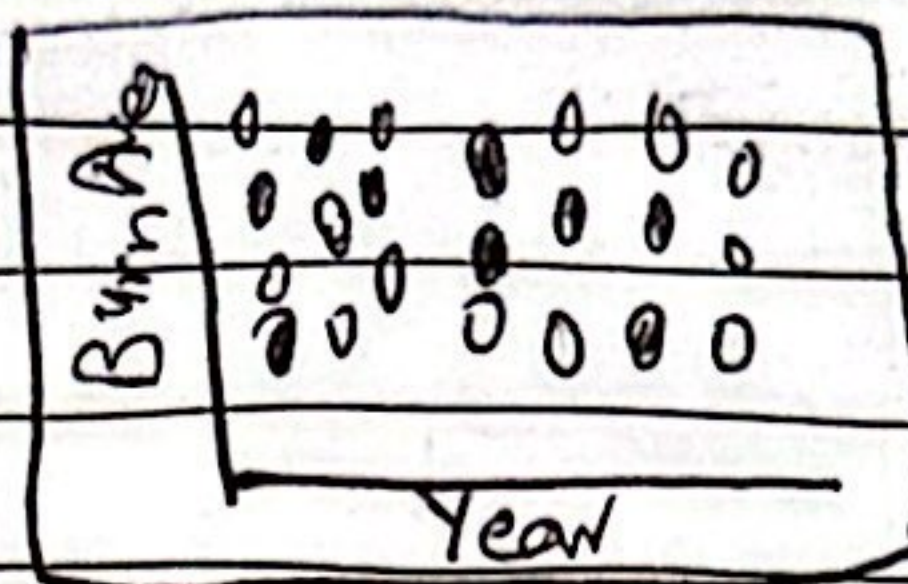
Layout



Top Ten Largest fires.

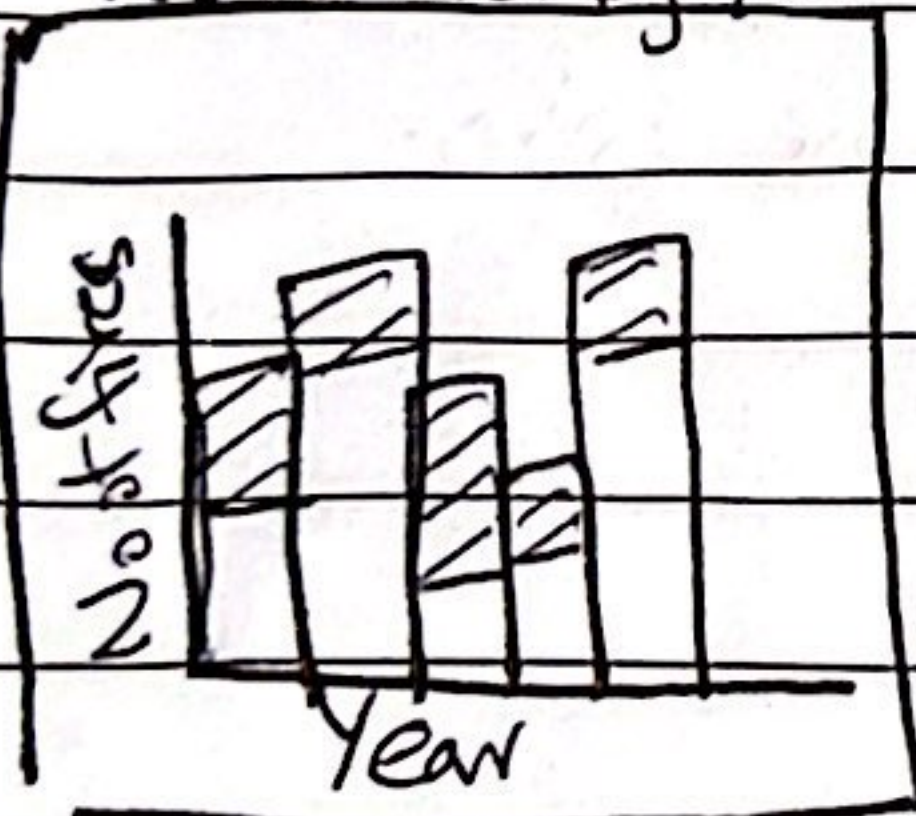


Scatter Plot burn
Area Vs Year



Focus

No of fires by Year



▨ Prescribed burn.
□ Wildfire

Operations.

Use Tooltips to view
more info.

Pros

→ Shows proportion of prescribed burns
vs wildfires, helping policymakers
evaluate the effectiveness of fire management.

Cons.

→ Might be difficult to interpret.

Title:- No of fires by Year

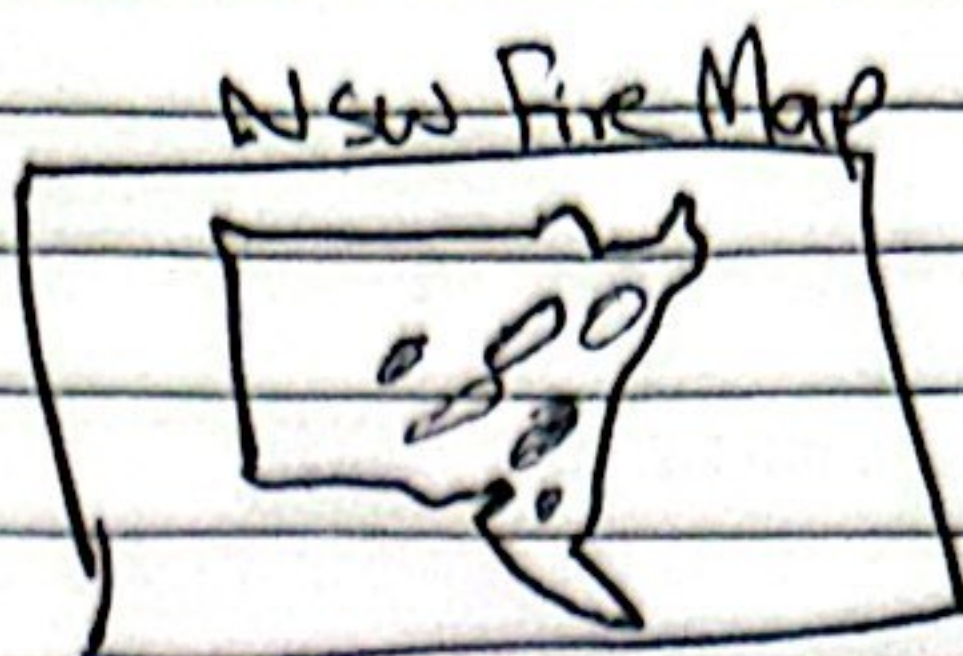
Author: Areeb

Date: 20 Oct 2024

Sheet No: 3

Dated:

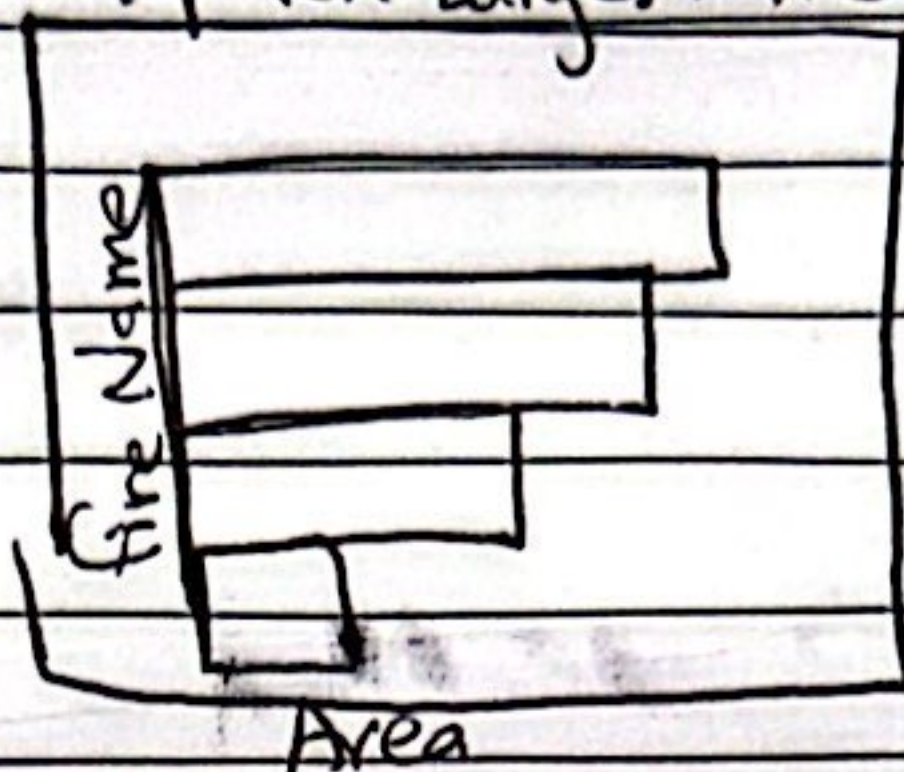
Layout



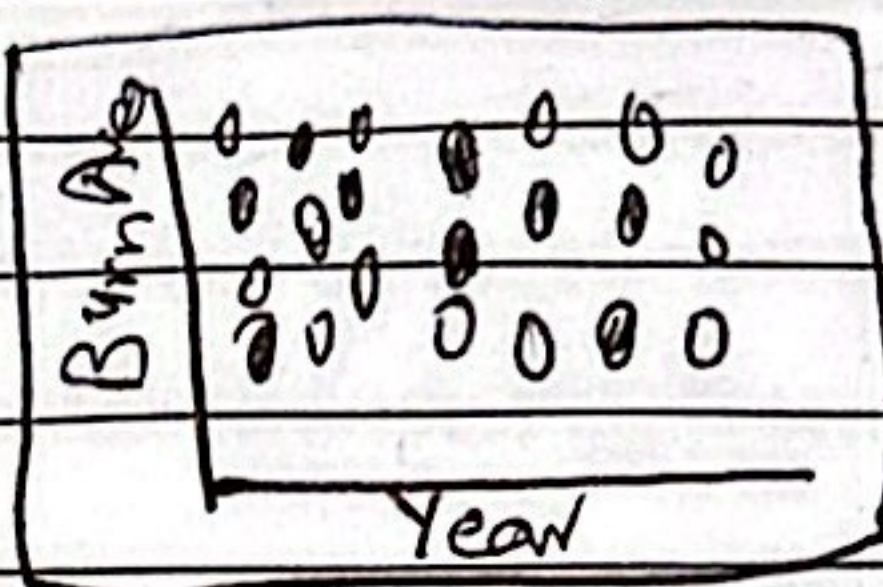
No of fires by Year



Top Ten Largest fires.

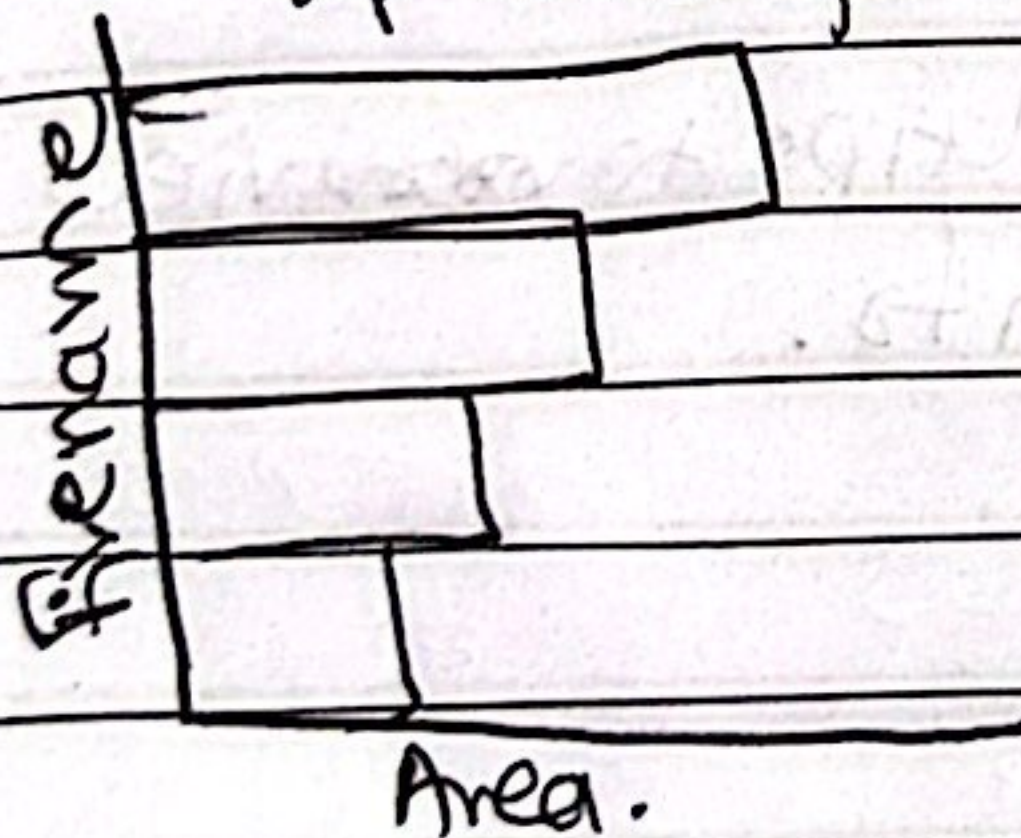


Scatter Plot burn
Area Vs Year



Focus:-

Top Ten Largest fires.



Operations:-

→ Use tooltip for more info.

Pros.

gives the area for more focus

Cons:-

Maybe outdated

Title:- Top ten largest fires

Author:- Areeb.

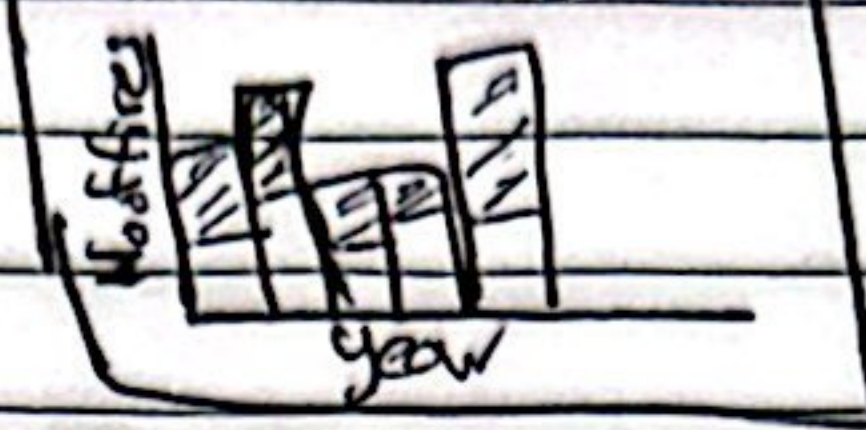
Date:- 20 Oct 2024.

Sheet No:- 4.

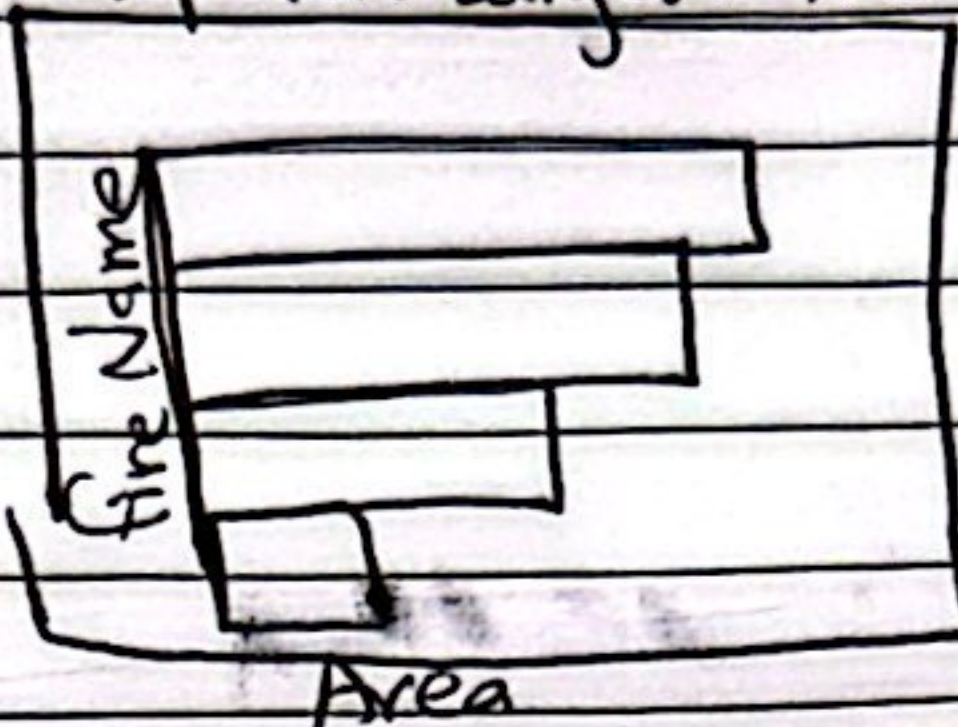
Layout



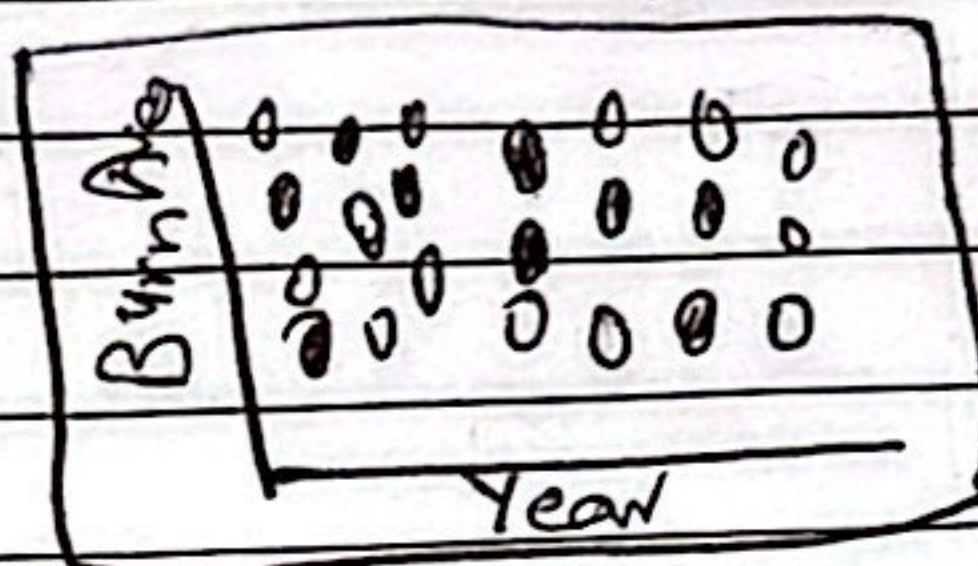
No of Fires by Year



Top Ten Largest fires.



Scatter Plot burn Area Vs Year



Description of alg/techniques:-

Geospatial Map: Uses Mercator projection with ~~topo~~ topoJson

Stacked bar chart.

Scatter Plot: Utilizes log scale.

Requirements:-

→ Git hub

→ Vs code for development.

→ Laptop to view

Dependencies:-

• Libraries:- Vega Lite, JS, & HTML.

• Data :- NSW wildfires datasets in JSON/CSV.

• Compatibility:- Modern browser.

Estimation of Completion = 30-33 Hours

Author: Areeb

Date :- 20 Oct 2024

Sheet No:- 5